

BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work :- Annual maintenance of street lights Package - D 1 in Kammagondanahalli surrounding area ward no 12

Job Code No:-012-22-000004

Agreement No:EE/Ele/DZ/TEND/AGR/000009/2022-23 Date:31.03.2022

Ref no and Date of commencement of work Order :-EE/(Elec)/DZ/TEND/VO/000001/2022-23 Date:04-04-2022

Estimate Amount:Rs. 2950000.00

Administrative Sanction No:EE/(Elec)/DZ/TEND/AS/10/2021-22 Date:21-03-2022

Technical Sanction No:EE/(Elec)/DZ/TEND/TS/127/2021-22 Date:05-01-2022

Name of Contractor of nature of Agency:- CHIKKANNA G (CHETHAN ELECTRICALS)

Measurement Book No: 3402 /18-19

Page No:

Date:

Bill NO :- RA Bill

Bill Period :- 1/01/2023 to 31/01/2023

Sl. No.	Description	Unit	Period 1Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/Month	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters, and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system.	Each	1	20	685.45	57.12	1142.40
	No of complaints attended for the period of 01.01.2023 to 31.01.2023						
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters, and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system.	Nos	1	22	756.29	63.02	1386.44
	No of complaints attended for the period of 01.01.2023 to 31.01.2023						
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters, and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below Poles with 250W HPSV street lighting system.	Each	1	1780	1019.41	84.95	151211
	No of complaints attended for the period of 01.12.2022 to 31.12.2022						

ASST. EXECUTIVE ENGINEER (Ele)

Bruhath Bangalore Mahanagara Palike

Dasarahalli Zone

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4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters, and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system.	Each	1	80	1118.08	93.17	7453.60 ✓
	No of complaints attended for the period of 01.01.2023 to 31.01.2023						
5	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise street light data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system	Each	1	4	880.01	73.33	293.32 ✓
	No of complaints attended for the period of 01.01.2023 to 31.01.2023						
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise street light data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system.	Each	1	350	1147.43	95.61	33463.50 ✓
	No of complaints attended for the period of 01.01.2023 to 31.01.2023						
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise street light data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system.	Each	1	90	1377.66	114.80	10332.00 ✓
	No of complaints attended for the period of 01.01.2023 to 31.01.2023						

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Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

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Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise street light data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 110/120 watt LED street light lighting system		Nos	1	0	1575.5	131.29	0
No of complaints attended for the period of 01.01.2023 to 31.01.2023							
9 Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise street light data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light /High mast lighting system.		Nos	1	0	1871.51	155.96	0
No of complaints attended for the period of 01.12.2022 to 31.12.2022							
10 Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 300mmx450mmx214mm		Each	0	5	5127	0.00	25635
11 Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps		Each	0	5	7200	0.00	36000
12 Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 50-63 Amps SP		Each	0	5	723	0.00	3615
13 Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.		Each	0	5	4030	0.00	20150
1 CHE/12/TC-75/CMR/00/18/LED/3049 1st Cross Srikrupa Layout Abbigere Chikkabanavara Main Road							
2 CHE/12/TC/KGH/00/05/422/S Near Krishna Wood work 5th cross K G Halli							
3 CHE/12/TC-22/KMR/00/64/0 3rd Cross Kalyannagara Main Road KG Halli							
4 CHE/TC/KGH/11/00/473/SV 11th Main HalMuniyappa Layout KG halli							

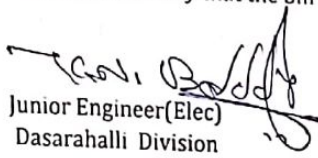
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04/02/23
25635
Asst Executive Engineer (EE)
Bengaluru Mahanagara Palika
Dattahalli Zone, Bengaluru

Asst Executive Engineer (EE)
Bengaluru Mahanagara Palika

5	CHE/12/TC/AMR/00/17/S/2563 Near Pillappa Circle Abbigere Main Road						
14	Wiring for lighting/power circuit using one of FRLS PVC Insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 conforming to latest amendments 6 sqmm	Mtr	0	10	70	0.00	700
15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.6 sqmm	Each	0	50	7	0.00	350
	TOTAL						291732.26
	Add GST 12 % on item no 10 to 15						10374.00
	TOTAL Rs						302106.26
	Fine imposed for non burning of street lights For the period of 01/01/2023 to 31/01/2023						
	As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material						4105.65
	GRAND TOTAL						298000.61

CERTIFICATE

- 1.This is to certify that the work done is saticefactorily.
- 2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.


Junior Engineer(Elec)
Dasarahalli Division

JUNIOR ENGINEER (Ele)
Bruhat Bangalore Mahanagara Palika
Dasarahalli Zone, Bangalore


Asst Exe. Engineer(Elec)
Dasarahalli Division

ASST EXECUTIVE ENGINEER (Ele)
Bruhat Bangalore Mahanagara Palika
Dasarahalli Zone, Bangalore


Executive Engineer (Elec)
Bruhat Bangalore Mahanagara Palika
Dasarahalli Zone